

IN THE CLAIMS:

Claim 5 has been amended herein. Please note that all claims currently pending and under consideration in the referenced application are shown below. Please enter these claims as amended. This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Previously Presented) A method for framing packets in a wireless transmission system supporting broadcast transmissions, the method comprising:
generating a portion of an Internet Protocol (IP) packet for transmission;
appending a start of frame indicator to the portion of the IP packet;
applying an error checking mechanism to the portion of the IP packet not including a protocol field to identify a payload type;
preparing a frame for transmission, having the start of frame indicator, the portion of the IP packet, and the error checking mechanism; and
transmitting the frame without the protocol field.
2. (Original) The method as in claim 1, wherein the start of frame indicator is a predetermined sequence of bits, the method further comprising:
if the portion of the IP packet contains the predetermined sequence of bits, inserting a classifier into the portion of the IP packet.
3. (Original) The method as in claim 2, wherein the classifier corresponds to an escape character.
4. (Original) The method as in claim 1, wherein the error checking mechanism is a frame check sequence.

5. (Currently Amended) A method for forming a communication signal for transmitting ~~transmitted~~ via a carrier wave, comprising:

generating a payload portion corresponding to a portion of an Internet Protocol (IP) packet of digital information and not including a protocol field to identify a payload type;

generating a start of frame portion corresponding to the payload portion, and identifying a status of the payload portion within an IP packet; and

generating an error checking portion for verifying the payload portion.

6. (Original) The method as in claim 5, wherein the start of frame portion is a predetermined sequence of bits, and wherein if the payload portion contains the predetermined sequence of bits, the payload portion further comprises:

a classifier portion.

7. (Previously Presented) A method for receiving framed packets in a wireless transmission system supporting broadcast transmissions, the method comprising:

receiving a frame of a packet transmission wherein the frame contains a payload portion of an Internet Protocol (IP) packet and does not include a protocol field to identify a payload type, the frame having a start of frame portion, a payload portion, and an error check portion, the frame not including the protocol field;

identifying the frame as a start frame in the packet transmission;

verifying the frame using the error check portion of the frame; and

processing the payload portion of the frame.

8. (Original) The method as in claim 7, wherein if the start of frame indicator is a predetermined sequence of bits, and wherein if the payload portion contains the predetermined sequence of bits, the payload portion further includes a classifier to identify the predetermined sequence of bits in the payload.

9. (Original) The method as in claim 8, wherein the classifier defines an escape character.
10. (Previously Presented) The method as in claim 8, further comprising:
identifying the classifier in the payload not including protocol information to identify a
payload type; and
processing the payload without the classifier.
11. (Original) The method as in claim 1, wherein the error checking portion is a
frame check sequence.
12. (Previously Presented) An apparatus for framing packets in a wireless
transmission system supporting broadcast transmissions, the apparatus comprising:
means for generating a portion of an Internet Protocol (IP) packet for transmission;
means for appending a start of frame indicator to the portion of the IP packet;
means for applying an error checking mechanism to the portion of the IP packet;
means for preparing a frame for transmission, having the start of frame indicator, the
portion of the IP packet and the error checking mechanism and not including a
protocol field to identify a payload type; and
means for transmitting the frame without the protocol field.
13. (Previously Presented) An apparatus for receiving framed packets in a wireless
transmission system supporting broadcast transmissions, the apparatus comprising:
means for receiving a frame of a packet transmission wherein the frame contains a
payload portion of an Internet Protocol (IP) packet and does not include a
protocol field to identify a payload type, the frame having a start of frame portion,
a payload portion, and an error check portion, the frame not including the
protocol field;
means for identifying the frame as a start frame in the packet transmission;
means for verifying the frame using the error check portion of the frame; and

means for processing the payload portion of the frame.

14. (Previously Presented) A computer program stored on a computer-readable storage unit, the computer program for framing packets in a wireless transmission system supporting broadcast transmissions, the computer program comprising:

- a first set of instructions for generating a portion of an Internet Protocol (IP) packet for transmission a second set of instructions for appending a start of frame indicator to the portion of the IP packet;
- a third set of instructions for applying an error checking mechanism to the portion of the IP packet;
- a fourth set of instructions for preparing a frame for transmission, having the start of frame indicator, the portion of the IP packet and the error checking mechanism and not including a protocol field to identify a payload type; and
- a fifth set of instructions for transmitting the frame without the protocol field.

15. (Previously Presented) An computer program stored on a computer-readable storage unit, the computer program for receiving framed packets in a wireless transmission system supporting broadcast transmissions, the computer program comprising:

- a first set of instructions for receiving a frame of a packet transmission wherein the frame contains a payload portion of an Internet Protocol (IP) packet and does not include a protocol field to identify a payload type; the frame having a start of frame portion, a payload portion, and an error check portion, the frame not including the protocol field;
- a second set of instructions for identifying the frame as a start frame in the packet transmission;
- a third set of instructions for verifying the frame using the error check portion of the frame; and
- a fourth set of instructions for processing the payload portion of the frame.